

MERCK & CO. INC.

CERTIFICATION

I, Debra A. Bollwage, Senior Assistant Secretary of Merck & Co., Inc. (the "Company"), a corporation duly organized and existing under the laws of the State of New Jersey, do hereby certify that the attached, presently in full force and effect, is a true and correct copy of General Corporate Resolution #5, Patent Matters, as amended by Unanimous Written Consent of the Board of Directors of said Company on April 28, 2009.

IN WITNESS WHEREOF, I have hereunto subscribed my signature and affixed the seal of the Company this 3rd day of June 2009.

Debra A. Bollwage

Senior Assistant Secretary

(SEAL)

General Corporate Resolution #5

PATENT MATTERS

RESOLVED, that any of the following:

Richard T. Clark—Chairman, President and Chief Executive Officer
Bruce N. Kuhlik—Executive Vice President and General Counsel
Paul D. Matukaitis—Vice President and Assistant General Counsel
Edward W. Murray—Managing Counsel, IP Litigation
Gerard M. Devlin—Counsel, IP Litigation
Valerie J. Camara—Managing Counsel, Patents
Mark R. Daniel—Managing Counsel, Patents
Catherine D. Fitch—Managing Counsel, Patents
Sheldon O. Heber—Managing Counsel, Patents
William Krovin—Managing Counsel, Patents
David A. Muthard—Managing Counsel, Patents
Anthony Rollins—Managing Counsel, European Patents
Edward M. Yoshida—Managing Counsel, Rosetta Inpharmatics
Charles M. Caruso—Counsel, International
Peter Haeberli—Assistant Counsel, Sirna Therapeutics, Inc.
Kenichi Osawa—Senior Director, Banyu Patent and Trademark Group
Donna L. Margiotti—Senior Manager, Patent Administration

are authorized to execute and to revoke on behalf of Merck & Co., Inc. and its affiliates (including subsidiaries) the following documents relating to patent matters:

Powers of attorney as fully in law as may be necessary and proper in connection with the acquisition, registration, maintenance and enforcement of patents and applications for patents, including powers of attorney relating to the prosecution or defense of patent rights before courts of law or other governmental tribunals, agencies or departments; affidavits and declarations; and any other documents which are necessary and proper for the acquisition, registration, maintenance, litigation and protection of patents.

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